

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (Currently Amended): A fuel system for an internal combustion engine operating with a liquid fuel and comprising:

a fuel reservoir intended for the liquid fuel; and

an additive reservoir, said additive reservoir including a chamber formed in a concave recess of a wall of the fuel reservoir,

wherein said concave recess is concave on a face of said wall that faces outside said fuel reservoir.

Claim 12 (Previously Presented): The fuel system according to claim 11, wherein an additive is intended to be added to the fuel, and wherein the chamber communicates with the fuel reservoir by an opening provided through the fuel reservoir.

Claim 13 (Previously Presented): The fuel system according to claim 12, wherein the chamber includes a system for metering the additive from the chamber into the fuel reservoir, via the opening, the metering system including a pump and an injector passing through the opening.

Claim 14 (Previously Presented): The fuel system according to claim 12, wherein the additive is added to the fuel just after the fuel reservoir has been filled, in a quantity calculated by an on-board computer or a calculator connected to a device enabling opening and closing of the fuel reservoir to be detected, and wherein the computer or calculator is

configured to calculate a volume of fuel introduced during filling and of consequently metering the additive.

Claim 15 (Previously Presented): The fuel system according to claim 12, wherein:  
the fuel is diesel and the engine is a compression-ignition engine; and  
the additive includes a composition, dissolved in a hydrocarbon solvent, of a catalyst for low-temperature combustion of carbonaceous solid particulates produced by incomplete combustion of diesel in the engine.

Claim 16 (Previously Presented): The fuel system according to claim 11, wherein the chamber is closed by a lid made of a same material as that of the fuel reservoir.

Claim 17 (Previously Presented): The fuel system according to claim 11, further comprising a tube for filling the additive reservoir emerging in the tube for filling the fuel reservoir.

Claim 18 (Previously Presented): The fuel system according to claim 11, further comprising a tube for degassing the additive reservoir emerging in the tube for filling the fuel reservoir.

Claim 19 (Previously Presented): A method for manufacturing a fuel system according to claim 11, wherein:

a reservoir for the fuel is manufactured, of which a wall has a recess that is concave on its outer face;

a lid is manufactured;

the lid is hermetically attached to a peripheral edge of the concave recess, so as to form the chamber;

an additive is introduced into the chamber before or after the lid is attached; and

the chamber is connected to a system for metering the additive before or after the additive is introduced into the chamber.

Claim 20 (Previously Presented): The method according to claim 19, wherein the reservoir and the lid are made of a thermoplastic material, and wherein the reservoir is manufactured by blow-extrusion and the lid by injection.

Claim 21 (New): The fuel system according to claim 11, wherein said wall of the fuel reservoir that defines said recess is formed by blow-extrusion molding.

Claim 22 (New): The fuel system according to claim 11, wherein said wall of the fuel reservoir that defines said recess comprises a multi-layer structure including a stack of layers.

Claim 23 (New): The fuel system according to claim 22, wherein said layers include layers of high-density polyethylene.

Claim 24 (New): The fuel system according to claim 22, wherein said layers include layers of a vinyl polyhalide.

Claim 25 (New): A fuel system for an internal combustion engine operating with a liquid fuel and comprising:

a fuel reservoir for the liquid fuel; and

an additive reservoir including a chamber formed in a recess of a wall of the fuel reservoir,

wherein the chamber communicates with the fuel reservoir by an opening provided through the fuel reservoir.

Claim 26 (New): The fuel system according to claim 25, wherein said fuel reservoir includes said liquid fuel, and said additive reservoir includes an additive to be added to said liquid fuel via said opening.

Claim 27 (New): The fuel system according to claim 26, wherein said additive comprises a catalyst for combustion of carbonaceous material produced during combustion of said liquid fuel.

Claim 28 (New): The fuel system according to claim 25, wherein the chamber includes a metering system that meters an amount of additive communicating between the chamber and the fuel reservoir via said opening.

Claim 29 (New): The fuel system according to claim 28, wherein said metering system includes a pump.

Claim 30 (New): The fuel system according to claim 29, wherein said metering system includes an injector.

Claim 31 (New): The fuel system according to claim 25, wherein said recess is concave on a face of said wall that faces outside said fuel reservoir.